

California Integrated Waste Management Board

Board Meeting

February 15-16, 2005

AGENDA ITEM 18

ITEM

Consideration Of A Request To Change The Base Year To 2002 For The Previously Approved Source Reduction And Recycling Element For The City of Lincoln

I. ISSUE/PROBLEM STATEMENT

The City of Lincoln (City) has requested to change its base year to 2002. The City has requested a 75 percent diversion rate for the 2002 new base year. With the California Integrated Waste Management Board (Board) staff-recommended new base year, the City's diversion rate would be 73 percent for 2002. In addition, the City has submitted documentation showing it meets the statutory conditions for claiming biomass diversion credit in 2002. With the aforementioned staff-recommended new base year and the staff recommended biomass diversion, the City's 2002 diversion rate would therefore be 73 percent, of which 0.40 percent is from biomass diversion (This claim does not manifest in a change in the recommended diversion rate due to rounding to the nearest whole percent.). A complete listing of the City's implemented programs is provided in Attachment 1 of this agenda item.

II. ITEM HISTORY

This is the first time this item is coming before the Board.

III. OPTIONS FOR THE BOARD

The Board may:

1. Approve the City's base-year change as originally submitted, as well as the City's biomass diversion claim.
2. Approve the City's base-year change with staff's and/or Board-suggested modifications, as well as the City's biomass diversion claim.
3. Approve the City's base-year change with staff's and/or Board-suggested modifications, but disapprove its biomass diversion claim.
4. Disapprove the City's base-year change and disapprove its biomass diversion claim.

IV. STAFF RECOMMENDATION

Board staff has determined that the method used to establish the new base-year with the recommended modifications has been adequately documented, and is generally consistent with previous Board standards for accuracy. Additionally, Board staff has determined that the City demonstrated compliance with the statutory conditions for claiming biomass diversion credit. Board staff therefore recommends the Board adopt Option 2, which would approve the City's new base-year with staff recommendations as well as its biomass diversion claim.

V. ANALYSIS

A. Key Issues and Findings

1. Background

Public Resources Code (PRC) Sections 41031 (cities) and 41331 (counties) require information submitted by jurisdictions on the quantities of solid waste generated, diverted, and disposed of, to include data that are as accurate as possible. At its March 1997 meeting, the Board approved methods for jurisdictions to use for

improving the accuracy of their base-year generation data. One of the approved methods allows a jurisdiction to establish a more current base year.

2. Basis for staff's analysis

Staff's analysis is based upon the information below.

Existing Jurisdiction Conditions:

Diversion Rate Data (Percent)						Key Jurisdiction Conditions		
						Waste Stream Data		
Base Year	1999	2000	2001	2002*	Pounds waste generated per person per day (ppd)**	Population	Non-Residential Waste Stream Percentage	Residential Waste Stream Percentage
2002	ND*	ND	ND	73%	16.84	17,750	79%	21%

* These values are based on the City's proposed (2002) base year correction, discussed in the "Base Year Change" section below. ND means "not determined."

** (Note: The pounds of waste generated by per person per day are higher than the statewide average due to the high percentage of construction and demolition diversion. Additionally, the non-residential generation percentage is significantly higher than the residential generation percentage.)

Incorporated in 1890, the City of Lincoln is situated northeast of Sacramento near the Sierra Foothills in South Placer County. According to the California Department of Finance, the City had the State's fastest growth rate from January 1, 2001 to January 1, 2002 at a rate of 28.3 percent, resulting from over 1,500 new housing units.

Base-Year Change

The City has requested to change its base year from 1990 to 2002. The City considers the 2002 data to be more accurate, and the best available data. There was no extrapolation of diversion data.

To estimate the waste generation in 2002, the City used disposal data from the Board's Disposal Reporting System and collected diversion information from the activities listed below. Board staff conducted a site visit in October, 2004 to verify these activities.

Program	Description
Residential:	
Buyback center	Diversion data were provided by the Department of Conservation's Division of Recycling for two recycling centers in the City. Additionally, residents can recycle materials at the Western Placer Waste Management Authority (WPWMA). Tonnage from this recycling center was not included in the study; however, as it is not located within City boundaries.
Drop-off recycling	Residents can drop-off recyclables at the WPWMA. The WPWMA provided an annual tonnage report to quantify the diversion from this program (which is reported under Landfill Salvage on the Base Year Modification Request Certification). Additionally, and more recently the City has kicked off a drop box recycling program at five locations. Data from this program not included in study, as the activity started after the new base year.
Green waste drop-off	Green waste drop-off is available to residents and businesses at the WPWMA. The WPWMA provided an annual tonnage report to quantify the diversion from this program.
Curbside green waste	Leaves from the streets are collected and delivered to a local high school farm for composting. Diversion tonnage for this program was collected from the local school district as a part of the non-residential waste audits. Separate residential green waste collection was also implemented for residents in 2003. Data for this program were not included in the study as this activity started after the base year.

Commercial:	
Grasscycling	As a part of the non-residential waste audits, diversion data were collected from local golf courses, schools and City parks that divert green waste from the landfill through grasscycling
Business waste reduction	Diversion tonnage was collected during the non-residential waste audits from a number of businesses that have implemented source reduction activities, such as packaging reuse.
School source reduction	The City's new base year study includes diversion tonnage from the local schools grasscycling efforts. Local schools also participate in other source reduction activities such as bulk purchases, reusing packing materials and double sided copying.
Government source reduction	The new base year generation tonnage includes diversion from grasscycling efforts at the City's local parks. Although not quantified in the new base year study, the City also participates in other source reduction activities such as double-sided copies (e.g., Council agendas) and increased use of voice-mail and e-mail.
Material exchange	In addition to hosting a number of local thrift shops, the City also obtained diversion data from a local business that redistributes food waste (produce) for animal feed.
School recycling programs	The City's new base year study includes tonnage from a newspaper collection program at one of the local schools. The City is also in the process of improving its school recycling program.
Green waste drop-off	Green waste drop-off is available to residents and businesses at the WPWMA. Again, the WPWMA provided an annual tonnage report to quantify the diversion from this program.
Scrap metal	Clean loads of scrap metal can be recycled at the WPWMA. Additionally, scrap metal is diverted through the WPWMA material recovery facility (MRF). Data from both of these programs are included in the City's diversion tonnage.
Wood waste	Clean loads of wood waste can be recycled at the WPWMA. Additionally, wood waste is diverted through the WPWMA MRF. Data from both of these programs are included in the City's diversion tonnage. This material is sent for biomass (see Biomass Diversion Credit Claim section below).
Construction and demolition	Clean loads of inert materials can be recycled at the WPWMA. Additionally, inert materials are diverted through the WPWMA MRF. Data from both of these programs are included in the City's diversion tonnage. Additionally, the City collected diversion tonnage for inert material recovery by local businesses.
Landfill salvage	In addition to providing drop-off recycling for clean loads, the WPWMA operates a MRF that recovers recyclables from municipal solid waste.
ADC	The City's new base year generation includes a small percentage of ADC (27 tons of green material).

Originally the jurisdiction claimed a diversion rate of 75 percent for 2002. Attachment 2a is the City's Base Year Modification Request Certification. As a result of Board staff's verification (desk review and on-site verification visits) of the City's claimed diversion, Board staff is recommending acceptance of the revised 2002 diversion rate of 73 percent.

The City appears to have programs that support the proposed diversion rate. Attachment 2b is the Base Year Modification Request Certification prepared by Board staff that provides additional details to support the Board staff's recommendations for the new base year.

Certification Changes

Based on staff's analysis of the jurisdiction's proposed new base year, as well as a site verification of the survey results conducted in October, 2004 Board staff recommends several deductions, as well as a couple of additions. Board staff has discussed the proposed changes with City representatives. The City representatives agree with Board staff's recommendations for the proposed changes.

The City was able to provide additional information to support the diversion tonnage for a number of programs such as:

- Landfill diversion by providing detailed data relating to specific diversion activities (e.g., MWS MRF recovery) and material types (e.g., scrap metal, cardboard, wood waste);
- Buy-back recycling by identifying centers sited within the unincorporated area; and
- Scrap metal recycling and reuse and inert material recycling by providing information to demonstrate that the restricted waste criteria were met.

Attachment 3 is a summary of the changes showing what was originally claimed, Board staff findings, and the basis for the deductions and additions. With these changes, Board staff recommends the request for a new base year be approved.

Base Year Analysis

The City of Lincoln	Disposal	Diversion	Generation
Old Base Year Tons (1990)	8,087	782	8,869
Jurisdiction New Base-Year Tons (2002)	14,458	43,488	57,946
Board Staff Recommended New (2002) Base-Year Tons	14,858	39,689	54,547

2002 Diversion Rate using 1990 Base Year	Jurisdiction Claimed Diversion Rate for 2002	Board Staff Recommended Diversion Rate for 2002
25%	75%	73%

In addition to any deductions already made by Board staff, the Board has authority to make additional deductions to the diversion tonnage. Public Resources Code Sections 41031, 41033, 41331, and 41333 provide that jurisdictions' waste characterization components (which contain the waste generation studies) shall include data that are as accurate as possible. These statutes provide the basis for allowing jurisdictions to request, and for the Board to approve, new base years. Consequently, in considering new base-year requests, the standard used by the Board is whether the new base year is as accurate as possible. To the extent that the Board determines that a portion of the new base year is not accurate, the Board may approve the remainder of the new base year, with the inaccurate portion removed.

Biomass Diversion Credit Claim:

The City included in its 2002 new base year generation study a biomass diversion credit claim for 813.75 tons of material sent to Rio Bravo, a biomass conversion facility located in Rocklin, Placer County, California. Starting in 2000, PRC Section 41783.1 allows jurisdictions to include not more than 10 percent diversion through biomass conversion if the Board determines at a public hearing, based upon substantial evidence in the record, that certain conditions are met. The table below identifies those conditions, and how the City has met them.

Biomass Diversion Credit for the City of Lincoln	
Conditions for Counting Biomass Diversion	How Conditions Were Met
1. Jurisdiction is not also claiming diversion from transformation in the same reporting year	1. The City's new base year generation study did not include information regarding transformation activity or tonnage for 2002.
2. Jurisdiction is, and will continue, to effectively implement all feasible source reduction, recycling, and composting measures.	2. The City is adequately implementing diversion programs, as shown in Attachment 1.
3. The material sent to a biomass facility was normally disposed by the jurisdiction (PRC Section 41781).	3. The material sent by the City to Rio Bravo in 2002 was normally disposed by the City as indicated in its SRRE.

4. The biomass facility exclusively processes biomass (defined in PRC Section 40106).	4. Rio Bravo does not process any material not specified in statute, which includes agricultural crop residues; bark, lawn, yard and garden clippings; leaves, silviculture residue, tree and brush pruning; wood, wood chips, and wood waste; or non-recyclable pulp or non-recyclable paper materials.
5. The biomass facility is in compliance with all applicable air quality laws, rules, and regulations.	5. Rio Bravo met all applicable air quality laws, rules, and regulations as shown in documentation from Placer County Air Pollution Control District.
6. The ash or other residue from the facility is regularly tested to determine if it is hazardous waste; and, if it is determined to be hazardous, the ash or other residue is sent to a Class I hazardous waste disposal facility.	6. In 2002, the ash was tested regularly tested and was determined not to be hazardous.

Approving the City's biomass diversion claim of 813.75 tons results in a diversion rate increase of 0.40 percent but does not actually increase the City's 2002 diversion rate (73 percent) due to rounding to the nearest whole percent. Because the City and the Rio Bravo biomass facility meet the criteria for claiming biomass diversion credit, Board staff recommends the Board approve the City's biomass diversion claim for 2002.

3. Findings

Board staff believes the City has adequately documented its request for a 2002 base-year change and has demonstrated it has met the statutory conditions for claiming biomass diversion. Therefore, staff is recommending approval of the staff-recommended base-year change request documented in Attachments 2b and 3, as well as approval of its biomass diversion claim.

B. Environmental Issues

N/A

C. Program/Long Term Impacts

Improving the accuracy of a jurisdiction's base year will lead to a more accurate statewide measurement.

D. Stakeholder Impacts

Approving the City's new base year will enable the City to more accurately measure the success of its diversion programs and therefore to more accurately report its progress to the Board.

E. Fiscal Impacts

N/A

F. Legal Issues

As discussed above, this item represents the process for implementing PRC Section 41331 that requires a City to submit data on quantities of waste generated, diverted and disposed that are as accurate as possible.

G. Environmental Justice Community Setting.

<i>2000 Census Data – Demographics for City of Lincoln</i>						
% White	% Hispanic	% Black	% Native American	% Asian	% Pacific Islander	% Other
69.5	26.0	0.4	0.8	1.0	0.1	0.1

2000 Census Data – Economic Data for City of Lincoln		
Median annual income*	Mean (average) income*	% Individuals below poverty level
45,547	55,074	12.4

*Per Household

- **Environmental Justice Issues.** According to the jurisdictional representative, there are no environmental justice issues related to the new base year study in this community.
- **Efforts at Environmental Justice Outreach.** The City uses television spots, quarterly newsletters (bill inserts) and a web-site to disseminate information regarding the WPWMA's regional diversion programs to all residential and commercial sectors. The City also participates in a regional education program, contracted through the WPWMA, promoting diversion opportunities through classroom presentations and distributing informational hand-outs at schools, local fairs and other community events. Additionally, the City also hosts a web-page and distributes printed media that specifically promotes its diversion programs (e.g., Blue Bag program, leaf collection).
- **Project Benefits.** N/A

H. 2001 Strategic Plan

The City's new base year coincides with:

- Goal 2, Objective 3 (D)
- Goal 7, Objective 1 (B)

VI. FUNDING INFORMATION

N/A

VII. ATTACHMENTS

1. Program Listing for the City of Lincoln
- 2a. Base Year Modification Request Certification for the City of Lincoln
- 2b. Board staff Recommended Base-Year Modification Request Certification
3. Table A: Site Visit Verification Findings for the City of Lincoln
4. Resolution Number 2005-42

VIII. STAFF RESPONSIBLE FOR ITEM PREPARATION

A. Program Staff: Marshalle Graham

Phone: (916) 341-6270

B. Legal Staff: Elliot Block

Phone: (916) 341-6080

C. Administration Staff:

Phone:

IX. WRITTEN SUPPORT AND/OR OPPOSITION

A. Support

1. The City of Lincoln

B. Opposition

1. No known opposition

Office of Local Assistance
**Program Listing for
Lincoln**

Page 1
Date Printed
January 4,2005

Program Code	Existed	Slcted?	Pre 1995 Start	1995 Status	1996 Status	1997 Status	1998 Status	1999 Status	2000 Status	2001 Status	2002 Status
1000-SR-XGC Xeriscaping/Grasscycling	N	N	1995	AI	AO	AO	AO	AO	AO	AO	AO
1010-SR-BCM Backyard and On-Site Composting/Mulching	N	Y	1995	SI	SO	SO	SO	SO	SO	SO	SO
1020-SR-BWR Business Waste Reduction Program	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO
1030-SR-PMT Procurement	N	Y	NA	PF 5	PF 5	PF 5	PF 5	PF 5	PF	PF	SI
1040-SR-SCH School Source Reduction Programs	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO
1050-SR-GOV Government Source Reduction Programs	N	N	1995	AI	AO	AO	AO	AO	AO	AO	AO
1060-SR-MTE Material Exchange, Thrift Shops	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO
2000-RC-CRB Residential Curbside	N	Y	1998	PF 1	PF 1	PF 1	SI	SO	SO	SO	SO
2010-RC-DRP Residential Drop-Off	Y	Y	1990	SO	SO	SO	SO	SO	D	SI	SO
2020-RC-BYB Residential Buy-Back	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO

Status Code Legend

SO = Selected Ongoing
AO = Alternative Ongoing
SI = Selected Implemented
AI = Alternative Implemented
M = Regional Agency did not exist
or
city was not incorporated or
city

D = Dropped
DE = Dropped in Earlier Year
NI = Selected and Not Implemented
PF = Planned Future
NA = Program did not exist

Reason Code

1 = Delays in bringing diversion facilities
online.
2 = Unavoidable regulatory delays.
3 = Existing contractual or legal problems.
4 = Insufficient funding.
5 = Insufficient staffing.

6 = Lack of cooperation from other entities.
7 = Sufficient diversion without selected
program.
8 = Lack of markets necessary to support

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Office of Local Assistance
**Program Listing for
Lincoln**

Page 2
Date Printed
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Program Code	Existed	Slcted?	Pre 1995 Start	----- 1995 ----- Status	----- 1996 ----- Status	----- 1997 ----- Status	----- 1998 ----- Status	----- 1999 ----- Status	----- 2000 ----- Status	----- 2001 ----- Status	----- 2002 ----- Status
2030-RC-OSP Commercial On-Site Pickup	Y	Y	1990	D 4, 5	DE 4, 5	DE 4, 5	DE 4, 5	DE 4, 5	DE 4, 5	DE 4, 5	DE 4, 5
2040-RC-SFH Commercial Self-Haul	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO
2050-RC-SCH School Recycling Programs	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO
2060-RC-GOV Government Recycling Programs	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO
2070-RC-SNL Special Collection Seasonal (regular)	N	N	1995	AI	AO	AO	AO	AO	AO	AO	AO
2080-RC-SPE Special Collection Events	N	Y	1998	PF 4, 5	PF 4, 5	PF 4, 5	SI	SO	SO	SO	SO
3000-CM-RCG Residential Curbside Greenwaste Collection	Y	Y	1991	SO	SO	SO	SO	SO	SO	SO	SO
3010-CM-RSG Residential Self-haul Greenwaste	N	Y	1998	PF	NI 1	NI 1	SI	SO	SO	SO	SO
4000-SP-ASH Ash	N	N	1995	AI	AO	AO	AO	AO	AO	AO	AO
4020-SP-TRS Tires	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO

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Application: PARIS

Office of Local Assistance
**Program Listing for
Lincoln**

Page 3
Date Printed
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Program Code	Existed	Slcted?	Pre 1995 Start	1995 Status	1996 Status	1997 Status	1998 Status	1999 Status	2000 Status	2001 Status	2002 Status
4030-SP-WHG White Goods	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO
4040-SP-SCM Scrap Metal	N	N	1996	PF	AI	AO	AO	AO	AO	AO	AO
4050-SP-WDW Wood Waste	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO
4060-SP-CAR Concrete/Asphalt/Rubble	N	Y	NA	PF	PF	PF	PF	PF	PF	SI	SO
5000-ED-ELC Electronic (radio ,TV, web, hotlines)	N	N	1992	AO	AO	AO	AO	AO	AO	AO	AO
5010-ED-PRN Print (brochures, flyers, guides, news articles)	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO
5020-ED-OUT Outreach (tech assistance, presentations, awards, fairs, field trips)	N	Y	1998	SI	D 4, 5	DE 4, 5	SI	SO	SO	SO	SO
5030-ED-SCH Schools (education and curriculum)	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO
6000-PI-PLB Product and Landfill Bans	N	Y	NA	D 99	DE 99	DE 99	DE 99	DE 99	DE 99	DE 99	DE 99
6010-PI-EIN Economic Incentives	N	Y	1994	SO	SO	SO	SO	SO	SO	SO	SO

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Application: PARIS

Office of Local Assistance
**Program Listing for
Lincoln**

Page 4
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Program Code	Existed	Slcted?	Pre 1995 Start	1995 Status	1996 Status	1997 Status	1998 Status	1999 Status	2000 Status	2001 Status	2002 Status
6020-PI-ORD Ordinances	N	Y	NA	PF 5	PF 5	PF 5	PF 4, 5	PF 4, 5	PF	PF	PF
7000-FR-MRF MRF	N	Y	1996	PF 1	SI	SO	SO	SO	SO	SO	SO
7030-FR-CMF Composting Facility	N	Y	1996	PF 1	SI	SO	SO	SO	SO	SO	SO
8010-TR-BIO Biomass	N	N	NA	AI	AO	AO	AO	AO	AO	AO	AO
8020-TR-TRS Tires	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO
9000-HH-PMF Permanent Facility	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO
9010-HH-MPC Mobile or Periodic Collection	Y	Y	1992	SO	D 7	DE 7	DE 7	DE 7	DE 7	DE 7	DE 7
9030-HH-WSE Waste Exchange	N	Y	1996	PF 1	SI	SO	SO	SO	SO	SO	SO
9040-HH-EDP Education Programs	N	Y	1992	SO	SO	SO	SO	SO	SO	SO	SO

Add any additional programs below

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Application: PARIS

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

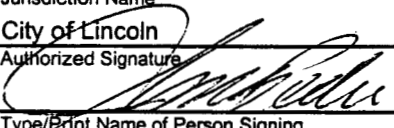
California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

- ☐ 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
- ☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification			
<i>All respondents must complete this section.</i>			
I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:			
Jurisdiction Name City of Lincoln		County Placer	
Authorized Signature 		Title Public Works Director/City Engineer	
Type/Print Name of Person Signing John E. Pedri, P.E.		Date	Phone () Include Area Code (916) 645-8576
Person Completing This Form (please print or type) Larry T. Buckle, P.E.		Title Consultant	
Affiliation:	Consultant, IES		
Mailing Address	City	State	ZIP Code
8349 Dalkeith Way	Antelope	CA	95843
E-Mail Address H2oBuckle@AOL.COM			

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base year:	2. Proposed new generation-based study year:
1990	2002

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

Since 1990 the City of Lincoln has transformed from a small rural community with a strong agricultural base to a sizable bedroom community including a very large retirement component. It has been reported that The City of Lincoln is the fastest growing community in the State. With this demographic change the waste characteristics have also changed. This new base year study takes into consideration those changes.

All of the large business/industrial entities in the City have been contacted and their information is included in this study.

4. Enter diversion rate information below.

Diversion rate calculated using existing base year	a. 34 %	Diversion rate calculated using new generation-based study	b. 75 %
For existing base year pounds/person/day based on generation	7	For new generation based study pounds/person/day based on generation	17.8
Residential generation 69 %	Non-Residential generation 31 %	Residential generation 23% %	Non-Residential generation 77% %
Population existing generation-based study 7,248		Population new generation-based study 17,750	

5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples (e.g., change in jurisdiction's demographics).

There is a substantial increase from 4a to 4b; this is due to the changing demographics of the City of Lincoln. At this time and projected well into the future there will be a construction boom unprecedented in the area. Home construction is the largest industry in the area. The largest home builder has implemented a recycling program to avoid the high disposal costs at the local JPA landfill. The diversion of material from this industry has substantially impacted the Lincoln diversion numbers.

We do not anticipate a change in waste demographics for a number of years.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

There are three main areas of improvement/change:

1. The construction industry has had to deal with the economics of reducing the volume of material they are disposing in the landfill. The city has forced this by flow control, debris haulers franchise agreements and high tip fees.
2. The city has a much higher park, golf course, turf area ratio utilizing grass cycling.
3. Other local industries have implemented corporate policies of maximizing recycling.

Also due to the change in population it has become more cost effective to recycle due to the volume of material in the area. There are a number of large recycling businesses that could not exist years ago due to volume, so the material was landfilled. That material is now being processed and returned to the local markets.

The local JPA/MRF has also increased productivity. This in combination with a new City green waste collection program and a City drop-off program.

7. Disposal Tonnage (enter values):	11721	2737	14458
	Residential	Non-Residential	Total

Please select the ONE choice below that best explains your disposal data and complete the required tables.

☒ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at www.clwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

☐ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at www.clwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. **Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested.** Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt], white goods, and scrap metal, please identify those programs/waste types and fill out Section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed Non-Residential waste information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specify Material Type(s) & Intentional or Unintentional	Specify Diversion Facility Used (Name and Source)	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.clwmb.ca.gov/LGCentral/Forms/Reduce.htm					
Residential Source Reduction Activities					
Backyard composting	0	0.0%	Not included in this study		
Grasscycling	0	0.0%	Not included in this study		
Other Residential Source Reduction (list each program separately)					
Enter program name		0.0%	None included in this study		
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal, Residential Source Reduction	0	0.0%			
Residential Recycling Activities					
Curbside Recycling	0	0.0%			
Buyback Centers	133	0.2%	CRV material	None	California Department of Conservation
Drop-off Centers	0	0.0%	None included in this study		

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Types (List operation with multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.clwmh.ca.gov/CLCentral/Pages/Co-dea/Reduce.htm					
Other Residential Recycling (List each program separately)					
Enter program name			None included in this study		
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Recycling	133	1.2%			
Residential Composting Activities					
Green Waste Drop-off	849	7.8%			
Curbside Green Waste	80	0.7%	Fall season leaves	1000 pounds per cubic yard after composting	School District Farm. Operators memory
Christmas Tree Program	9	0.0%	Christmas Trees	None	Weight slips
Other Residential Composting (List each program separately)					
Enter program name			None included in this study		
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Composting	939	8.5%			
Subtotal, Residential Diversion	1071	9.7%			
Non-Residential Source Reduction Activities					
Non-Residential Waste Audits?	1311	12.0%			
Other Non-Residential Source Reduction (List each program separately)					
Enter Program name			None included in this study		
Enter Program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Non-Residential Source Reduction	1311	12.0%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation with multiple materials in one box)	Specific Conversion Factor Used (If any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.chmb.ca.gov/LGCentral/Part/Code/Reduce.htm					
Recycling					
Non-Residential Waste Audits	11,854.21	20.5%	See Section 3	See Section 3	See Section 3
Other Non-Residential Recycling (list each program separately)					
Enter program name			None included in this study		
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal: Non-Residential Recycling	11854	20.5%			
Non-Residential Composting Activities					
Non-Residential Waste Audits	808	0.8%	See Section 3	See Section 3	See Section 3
Other Non-Residential Composting (list each program separately)					
Enter program name			None included in this study		
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal: Non-Residential Composting	808	0.8%			
Subtotal: Non-Residential Diversion	17130	29.6%			
Residential/Non-Residential Diversion Activities					
ADG	0	0.0%			
Sludge	0	0.0%			
Scrap Metal	127	0.2%	Scrap metal	NA	Scale
Construction and Demolition	25160	43.4%	Asphalt/Concrete/Wood	None	Operator records
Landfill Salvage					
Subtotal Residential/Non-Residential Diversion	25287	43.6%			
Total Res/Non-Res Source Reduction Tons	1311	2.3%			
Total Diversion Tons	43488	75.0%			
Total Disposal Tons from Sec.7	14468	25.0%			
Total Generation Tons (Div+Dis)	57956				
Diversion Rate	75%				

9. Specific Non-Residential Sector Waste Audits--Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.
(Table will perform all addition calculations).

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities Include Material Type (e.g., paper recycling, grasscycling) (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other
C&D	45	wood, cardboard, plastic		17160		17160	29.3%	On-site
C&D	23	asphalt, concrete		8000		8000	13.3%	On-site
JPA, MRF	34	cardboard, plastic, paper, metal		7129	859	7988	13.5%	On-site
Computer repair	13	cardboard, plastic, paper, metal	1304	1856		3159.24	5.5%	On-site
Cabinet construction	19	wood		1560		1560	2.7%	On-site
Golf Course	4	grass		1512		1512	2.6%	On-site
School	27	grass, newspaper		68	973	1041.02	1.8%	On-Site
Golf Course	2	grass			578	578	1.0%	On-site
Grocery Store	9	cardboard, produce, plastic		299	194	492.92	0.9%	Phone/mail
City Parks	29	grass			471	471	0.8%	On-site
Totals			1304.94	37583.74	9075.2	41562.88	72.4%	

Also provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources (e.g., cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business).

C&D tonnages resulted from weight slip of the processor. Also the JPA, MRF has weights for everything that enters or exits the MRF. The computer repair also has weight slips for all of its activities.

The cabinet construction company has records for boxes of material removed but not the weight. An average weight was estimated on the material type.

All composted/grass cycling material was estimated using the standard 7.6 tons per acre. Acreages were determined using maps and other means. Other composed material weights were the result of weight slips.

The Grocery store has weight slip for all the material it generates.

10. For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concrete, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

Note: program name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept."

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
Inert Solids ▼	Two Rivers Demolition	2001	13332
Inert Solids ▼	Roseville Aggregates Inc.	1994	8000
Inert Solids ▼	Western Placer Waste Management Authority	1996	3268
White Goods ▼	Western Placer Waste Management Authority	1996	18
Scrap Metal ▼	Western Placer Waste Management Authority	1996	75
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board - on a separate sheet marked "Attachment 10b", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (**Note:** this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- That the jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information. _____ (Date)

If documentation is not available, go to 10d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. **Note: Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.**

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

Business Audit Diversion for the City of Lincoln						
Business Survey/Audit Identification Number	Business Type (Example - grocery store, retail, manufacturer) 1/	Material Type (Example - cardboard, glass, plastic, etc.)	Source Reduction (Tons)	Recycling (Tons)	Composting (Tons)	Total Tons
1	Retail	Assorted items	25.00	0.00	0.00	25.00
Subtotal -			25.00	0.00	0.00	25.00
2	Golf Course	Grass clippings	577.60	0.00	0.00	577.60
Subtotal -			577.60	0.00	0.00	577.60
3	Auto Parts (retail)	Scrap Metal	26.00	0.00	0.00	26.00
Subtotal -			26.00	0.00	0.00	26.00
4	Golf Course	Grass clippings	1512.40	0.00	0.00	1512.40
Subtotal -			1512.40	0.00	0.00	1512.40
5	Auto Service	Tires	0.00	76.27	0.00	76.27
Subtotal -			0.00	76.27	0.00	76.27
6	Auto Service	Scrap Metal	13.00	0.00	0.00	13.00
Subtotal -			13.00	0.00	0.00	13.00
7	Retail	Wood waste	16.92	0.00	0.00	16.92
Subtotal -			16.92	0.00	0.00	16.92
8	Auto Service	Scrap Metal	0.00	4.80	0.00	4.80
Subtotal -			0.00	4.80	0.00	4.80
9	Grocery Retail	Cardboard	0.00	289.58	0.00	289.58
9	Grocery Retail	Plastic	0.00	8.94	0.00	8.94
9	Grocery Retail	Bone & Fat	0.00	35.75	0.00	35.75
9	Grocery Retail	Produce	0.00	0.00	158.66	158.66
Subtotal -			0.00	334.27	158.66	492.93
10	Service	NA	0.00	0.00	0.00	0.00
Subtotal -			0.00	0.00	0.00	0.00
11	Retail	Paper	2.50	0.00	0.00	2.50
11	Retail	Cardboard	3.90	0.00	0.00	3.90
11	Retail	Scrap Metal	0.00	0.15	0.00	0.15
Subtotal -			6.40	0.15	0.00	6.55
12	Manufacturer	Wood waste	28.52	0.00	0.00	28.52
12	Manufacturer	Wood waste	0.00	13.00	0.00	13.00
Subtotal -			28.52	13.00	0.00	41.52
13	Electronic Services	Cardboard	0.00	1123.63	0.00	1123.63
13	Electronic Services	Foam	0.00	13.62	0.00	13.62
13	Electronic Services	Bubble	23.94	0.00	0.00	23.94
13	Electronic Services	Peanuts	3.89	0.00	0.00	3.89
13	Electronic Services	Styrene	196.47	0.00	0.00	196.47
13	Electronic Services	Poly Plank	47.94	0.00	0.00	47.94
13	Electronic Services	Molded EPP & EPE	2.40	0.00	0.00	2.40
13	Electronic Services	Aluminum Cans	0.00	0.47	0.00	0.47
13	Electronic Services	Metals	0.00	2.90	0.00	2.90
13	Electronic Services	Paper	0.00	62.48	0.00	62.48
13	Electronic Services	Wood waste (pallet)	0.00	301.13	0.00	301.13
13	Electronic Services	Plastic	0.00	50.15	0.00	50.15
13	Electronic Services	Plastic Bottles	0.00	0.08	0.00	0.08
13	Electronic Services	Reuse	1303.94	0.00	0.00	1303.94
13	Electronic Services	Insta Pak	27.92	0.00	0.00	27.92
Subtotal -			1606.50	1554.48	0.00	3160.98
14	Service	Wood waste (pallet)	11.70	0.00	0.00	11.70

Agenda Item 18
Attachment 2a

1/ Each activity should be listed on a separate line.

Business Audit Diversion for the City of Lincoln

Business Survey/Audit Identification Number	Business Type (Example - grocery store, retail, manufacturer) 1/	Material Type (Example - cardboard, glass, plastic, etc.)	Source Reduction (Tons)	Recycling (Tons)	Composting (Tons)	Total Tons
14	Service	Cardboard	3.90	0.00	0.00	3.90
14	Service	Scrap Metal	0.00	1.30	0.00	1.30
Subtotal -			15.60	1.30	0.00	16.90
15	Manufacturer	NA	0.00	0.00	0.00	0.00
Subtotal -			0.00	0.00	0.00	0.00
16	Education Services	NA	0.00	0.00	0.00	0.00
Subtotal -			0.00	0.00	0.00	0.00
17	Manufacturer	Scrap Metal	0.00	30.00	0.00	30.00
17	Manufacturer	Wood waste (pallet)	1.80	0.00	0.00	1.80
Subtotal -			1.80	30.00	0.00	31.80
18	Automotive Services	Scrap Metal	0.00	3.00	0.00	3.00
18	Automotive Services	Scrap Metal	3.12	0.00	0.00	3.12
Subtotal -			3.12	3.00	0.00	6.12
19	Manufacturer	Wood waste	0.00	1560.00	0.00	1560.00
Subtotal -			0.00	1560.00	0.00	1560.00
20	Manufacturer	Woodwaste	0.00	465.92	0.00	465.92
Subtotal -			0.00	465.92	0.00	465.92
21	Manufacturer	Woodwaste	0.00	5.20	0.00	5.20
Subtotal -			0.00	5.20	0.00	5.20
22	Landscaping Service	Plastic	5.20	0.00	0.00	5.20
Subtotal -			5.20	0.00	0.00	5.20
23	C&D Processor	Inert	0.00	8000.00	0.00	8000.00
Subtotal -			0.00	8000.00	0.00	8000.00
24	Aviation Services	Electronics (???)	0.60	0.00	0.00	0.60
Subtotal -			0.60	0.00	0.00	0.60
25	Aviation Services	Wood waste	0.24	0.00	0.00	0.24
25	Aviation Services	Scrap Metal	0.00	0.10	0.00	0.10
25	Aviation Services	Scrap Metal	0.00	0.25	0.00	0.25
25	Aviation Services	Cardboard	1.56	0.00	0.00	1.56
25	Aviation Services	Paper	0.52	0.00	0.00	0.52
Subtotal -			2.32	0.35	0.00	2.67
26	Retail	Paper	0.52	0.00	0.00	0.52
26	Retail	Cardboard	1.04	0.00	0.00	1.04
Subtotal -			1.56	0.00	0.00	1.56
27	Educational Services	Grass clippings	972.80	0.00	0.00	972.80
27	Educational Services	Paper	0.00	68.22	0.00	68.22
27	Educational Services	Organics	0.00	0.00	80.00	80.00
Subtotal -			972.80	68.22	80.00	1121.02
28	Manufacturer	Paper	0.00	0.06	0.00	0.06
28	Manufacturer	Scrap Metal	0.00	3.00	0.00	3.00
28	Manufacturer	Scrap Metal	0.00	0.60	0.00	0.60
28	Manufacturer	Wood waste (pallet)	5.20	0.00	0.00	5.20
Subtotal -			5.20	3.66	0.00	8.86
29	Government	Grass clippings	471.20	0.00	0.00	471.20
Subtotal -			471.20	0.00	0.00	471.20
30	Manufacturer	wallboard	0.00	75.00	0.00	75.00
30	Manufacturer	clay???	1125.00	0.00	0.00	1125.00
Subtotal -			1125.00	75.00	0.00	1200.00

Each activity should be listed on a separate line.

Business Audit Diversion for the City of Lincoln

Business Survey/Audit Identification Number	Business Type (Example - grocery store, retail, manufacturer, 1/)	Material Type (Example - cardboard, glass, plastic, etc.)	Source Reduction (Tons)	Recycling (Tons)	Compost (Tons)	Total Tons
31	Retail	Cardboard	0.78	0.00	0.00	0.78
Subtotal -			0.78	0.00	0.00	0.78
32	Automotive Services	Scrap Metal	0.00	1.80	0.00	1.80
Subtotal -			0.00	1.80	0.00	1.80
33	Grocery Retail	Organics	76.44	0.00	0.00	76.44
33	Grocery Retail	Cardboard	0.00	182.50	0.00	182.50
Subtotal -			76.44	182.50	0.00	258.94
34	Material Recovery Facility	Appliances, Scrap Metal, Organics, Inerts, Tire and Wood Waste	0.00	20731.82	0.00	20731.82
Subtotal -			0.00	20731.82	0.00	20731.82
35	Buyback	Alumunim, Glass, Plastic and BiMetal	0.00	132.89	0.00	132.89
Subtotal -			0.00	132.89	0.00	132.89
36	Retail	Cardboard	0.00	32.00	0.00	32.00
Subtotal -			0.00	32.00	0.00	32.00
37	Repair Services	Electronics	1.50	0.00	0.00	1.50
Subtotal -			1.50	0.00	0.00	1.50
38	Restaurant	Grease	0.00	2.00	0.00	2.00
Subtotal -			0.00	2.00	0.00	2.00
39	Retail	Textile	1.25	0.00	0.00	1.25
Subtotal -			1.25	0.00	0.00	1.25
40	Automotive Services	Cardboard	3.64	0.00	0.00	3.64
Subtotal -			3.64	0.00	0.00	3.64
41	Repair Services	Scrap Metal	0.00	30.00	0.00	30.00
Subtotal -			0.00	30.00	0.00	30.00
42	Automotive Services	Cardboard	3.50	0.00	0.00	3.50
Subtotal -			3.50	0.00	0.00	3.50
43	Automotive Services	NA	0.00	0.00	0.00	0.00
Subtotal -			0.00	0.00	0.00	0.00
44	Community Assn	Grass clippings	0.00	0.00	160.16	160.16
Subtotal -			0.00	0.00	160.16	160.16
45	C&D Processor	wood waste	0.00	2820.00	0.00	2820.00
45	C&D Processor	inorganic fines	0.00	1332.00	0.00	1332.00
45	C&D Processor	Cardboard	0.00	396.00	0.00	396.00
45	C&D Processor	Scrap Metal	0.00	408.00	0.00	408.00
45	C&D Processor	Inerts	0.00	192.00	0.00	192.00
45	C&D Processor	Plastics	0.00	12.00	0.00	12.00
45	C&D Processor	Scrap Metal	0.00	12.00	0.00	12.00
46	C&D Processor	Concrete processed on-ste	0.00	12000.00	0.00	12000.00
Subtotal -			0.00	17172.00	0.00	17172.00
Grand Total			6503.85	50480.61	398.8	57383.28

Note: The City of Lincoln submitted these data in a different format, specifically by program type. Board staff have prepared the submitted data by busi

purposes of this agenda item

Agenda Item 18
Attachment 2a

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

**California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025**

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

- ☐ 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
- ☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name		County	
City of Lincoln			
Authorized Signature		Title	
Type/Print Name of Person Signing		Date	Phone () Include Area Code
Person Completing This Form (please print or type)		Title	
Affiliation:			
Mailing Address	City	State	ZIP Code
E-Mail Address			

Section II: Information for New Generation-Based Study for Existing or New Base Year Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4"). <i>Note: New base years must be representative of a jurisdiction's disposal and diversion.</i>	
1. Current Board-approved existing base year: <div style="border: 1px solid black; padding: 2px; min-height: 20px;">1990</div>	2. Proposed new generation-based study year: <div style="border: 1px solid black; padding: 2px; min-height: 20px;">2002</div>
3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion: <div style="border: 1px solid black; height: 60px; margin-top: 5px;"></div>	

4. Enter diversion rate information below.			
Diversion rate calculated using existing base year	a. 25 %	Diversion rate calculated using new generation-based study	b. 73 %
For existing base year pounds/person/day based on generation	<div style="border: 1px solid black; padding: 2px; min-height: 20px;">6.7</div>	For new generation based study pounds/person/day based on generation	<div style="border: 1px solid black; padding: 2px; min-height: 20px;">16.84</div>
Residential generation 68 %	Non-Residential generation 32 %	Residential generation 21% %	Non-Residential generation 79% %
Population existing generation-based study 7248		Population new generation-based study 17750	
5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples (e.g., change in jurisdiction's demographics). <div style="border: 1px solid black; height: 100px; margin-top: 5px;"></div>			
6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.) <div style="border: 1px solid black; height: 150px; margin-top: 5px;"></div>			

7. Disposal Tonnage (enter values):	12035	2823	14858
	Residential	Non-Residential	Total

Please select the **ONE** choice below that best explains your **disposal** data and complete the required tables.

☒ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

☐ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. **Note:** *The Board expects the jurisdictions to be able to provide all back-up documentation, if requested.* Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt,] white goods, and scrap metal, please identify those programs/waste types and fill out Section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed Non-Residential waste information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm					
Residential Source Reduction Activities					
Backyard composting					
Grasscycling		0.0%			
Other Residential Source Reduction (list each program separately)					
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal, Residential Source Reduction	0	0.0%			
Residential Recycling Activities					
Curbside Recycling					
Buyback Centers	133	0.2%	aluminum, glass, plastics, bimetals	NA	Annual tonnage report from the Department of Conservation's Division of Recycling provided as supporting documentation
Drop-off Centers					

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Other Residential Recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Recycling	133	0.2%			
Residential Composting Activities					
Green Waste Drop-off	849	1.6%	green waste	Actual weight	Tonnage report provided by the Western Placer Waste Management Authority (WPWMA)
Curbside Green Waste	48	0.1%	Fall leaf composting at Western Placer Unified School District	3 compost boxes filled with leaves 12x30x4 @ 600 pounds per cubic yard	Information on survey form included in study documentation
Christmas Tree Program					
Other Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Composting	897	1.6%			
Subtotal, Residential Diversion	1030	1.9%			
Non-Residential Source Reduction					
Activities:					
Non-Residential Waste Audits*	5197	9.5%	See Section 9	See Section 9	See Section 9
Other Non-Residential Source Reduction (list each program separately)					
Enter Program name					
Enter Program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Non-Residential Source Reduction	5197	9.5%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Recycling					
Non-Residential Waste Audits*	26888	49.3%	See Section 9	See Section 9	See Section 9
Other Non-Residential Recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	26888	49.3%			
Non-Residential Composting Activities					
Non-Residential Waste Audits*	319	0.6%	See Section 9	See Section 9	See Section 9
Other Non-Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	319	0.6%			
Subtotal Non-Residential Diversion	32403	59.4%			
Residential/Non-Residential Diversion Activities					
ADC	27	0.0%	Green material	Actual weight	CIWMB Disposal Reporting System
Sludge					
Scrap Metal	98	0.2%	Scrap metal	Actual weight	Tonnage report provided by the Western Placer Waste Management Authority (WPWMA)
Construction and Demolition	3986	7.3%	Inert material	Actual weight	Tonnage report provided by the Western Placer Waste Management Authority (WPWMA)
Landfill Salvage	2145	3.9%	This includes source separated loads of OCC (14.21 tons) and recyclables recovered from MSW at the MRF, including aluminum, OCC, carpet, inert, glass, mixed paper, newspaper, PETE, HDPE, mixed and film plastics, steel, tires and green waste.	Actual weight	Tonnage report provided by the Western Placer Waste Management Authority (WPWMA)
Subtotal Residential/Non-Residential Diversion	6256	11.5%			
Total Res/Non-Res Source Reduction Tons	5197	9.5%			
Total Diversion Tons	39689	72.8%			
Total Disposal Tons from Sec.7	14858	27.2%			
Total Generation Tons (Div+Dis)	54547				

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Diversion Rate	73%				

9. Specific Non-Residential Sector Waste Audits--Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Table will perform all addition calculations).

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities Include Material Type (e.g., paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other ____
Demolition Company	45	wood waste, cardboard, metals, hay, straw waddles, plastics, glass and concrete		13731		13731	25.2%	O
Electronic Services	13	cardboard, foam, bubble wrap, peanuts, styrene, poly plank, aluminum cans, metals, paper, pallets and plastics	1607	1554		3160.96	5.8%	O
C&D crushing and screening company	23	inert materials		10651		10651.21	19.5%	O
Golf course	4	grass clippings	1512			1512.4	2.8%	O
Educational services	27	grass clippings and newspaper	973	68		1041.02	1.9%	O
Golf course	2	grass clippings	578			577.6	1.1%	O
Grocery retail	9	cardboard, plastic, bone and fat, and produce		334	159	492.93	0.9%	P, M
Government	29	grass clippings	471			471.2	0.9%	O
Manufacturer	30	gypsum		215		214.5	0.4%	O
Grocery retail	33	organics, cardboard and meat	22	174		196.28	0.4%	O
Totals			5162.34	26728.1	158.66	32049.1	58.8%	O

Also provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources (e.g., cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business).

#45 - recycling of wood waste, cardboard, metals, hay, straw waddles, plastics, glass and concrete -quantified by annual tonnage report provided by the facility.
#13 - reuse of bubble wrap, peanuts, styrene, poly plank, and other packing materials and recycling of cardboard, foam, aluminum cans, plastics, metals, paper and wood waste - - quantified by annual tonnage report provided by the facility.
#23 - inert material recycling - quantified by taking an average of the total facility tonnage for three years and allocating that based on the percentage estimated for the City by the facility contact.
#4 - grasscycling - quantified by mowable acres (209) and a conversion factor of 7.6 tons per acre per year.
#27 - grasscycling and news paper recycling - quantified by mowable acres (128) and a conversion factor of 7.6 tons per acre per year, and monthly tonnage for the newspaper recycling program multiplied by 12 months, respectively.
#2 - grasscycling - quantified by mowable acres (76) and a conversion factor of 7.6 tons per acre per year.
#9 - cardboard, plastic and bone and fat recycling and produce composting - quantification based on report provided by facility contact (corporate).
#29 - quantified by mowable acres (62) and a conversion factor of 7.6 tons per acre per year.
#30 - gypsum recycling - quantification based on receipts of the material purchased for a year.
#33- cardboard and meat recycling and produce reuse (hog farm) - quantification based on number of bales, buckets and boxes of material and conversion factors (cardboard 400 pounds/cubic yard per US EPA, 57 pounds per cubic foot for meat per FEECO and 30 pounds per produce box per facility contact).

Business Audit Diversion for the City of Lincoln (Attachment 9)						
Business Survey/Audit Identification Number	Business Type (Example - grocery store, retail, manufacturer) 1/	Material Type (Example - cardboard, glass, plastic, etc.)	Source Reduction (Tons)	Recycling (Tons)	Composting (Tons)	Total Tons
1	Retail	Assorted items	25.00 0.00	0.00	0.00	25.00 0.00
Subtotal -			25.00 0.00	0.00	0.00	25.00 0.00
2	Golf Course	Grass clippings	577.60	0.00	0.00	577.60
Subtotal -			577.60	0.00	0.00	577.60
3	Auto Parts (retail)	Scrap metal	26.00 0.00	0.00	0.00	26.00 0.00
Subtotal -			26.00 0.00	0.00	0.00	26.00 0.00
4	Golf Course	Grass clippings	1512.40	0.00	0.00	1512.40
Subtotal -			1512.40	0.00	0.00	1512.40
5	Auto Service	Tires	0.00	76.27	0.00	76.27
5	Auto Service	Scrap metal	0.00	5.00	0.00	5.00
Subtotal -			0.00	76.27 81.27	0.00	76.27 81.27
6	Auto Service	Scrap metal	13.00 0.00	0.00	0.00	13.00 0.00
Subtotal -			13.00 0.00	0.00	0.00	13.00 0.00
7	Retail	Wood waste (pallets)	16.92	0.00	0.00	16.92
Subtotal -			16.92	0.00	0.00	16.92
8	Auto Service	Scrap metal	0.00	4.80 0.00	0.00	4.80 0.00
Subtotal -			0.00	4.80 0.00	0.00	4.80 0.00
9	Grocery Retail	Cardboard	0.00	289.58	0.00	289.58
9	Grocery Retail	Plastic	0.00	8.94	0.00	8.94
9	Grocery Retail	Bone & Fat	0.00	35.75	0.00	35.75
9	Grocery Retail	Produce	0.00	0.00	158.66	158.66
Subtotal -			0.00	334.27	158.66	492.93
10	Service	NA	0.00	0.00	0.00	0.00
Subtotal -			0.00	0.00	0.00	0.00
11	Retail	Paper	2.50	0.00	0.00	2.50
11	Retail	Cardboard	3.90	0.00	0.00	3.90
11	Retail	Scrap metal	0.00	0.15	0.00	0.15
Subtotal -			6.40	0.15	0.00	6.55
12	Manufacturer	Scrap metal	28.52 0.55	0.00	0.00	28.52 0.55
12	Manufacturer	Scrap metal	0.00	13.00	0.00	13.00
Subtotal -			28.52 0.55	13.00	0.00	41.52 13.55
13	Electronic Services	Cardboard	0.00	1123.63	0.00	1123.63
13	Electronic Services	Foam	0.00	13.62	0.00	13.62
13	Electronic Services	Bubble	23.94	0.00	0.00	23.94
13	Electronic Services	Peanuts	3.89	0.00	0.00	3.89
13	Electronic Services	Styrene	196.47	0.00	0.00	196.47
13	Electronic Services	Poly Plank	47.94	0.00	0.00	47.94
13	Electronic Services	Molded EPP & EPE	2.40	0.00	0.00	2.40
13	Electronic Services	Aluminum Cans	0.00	0.47	0.00	0.47
13	Electronic Services	Metals	0.00	2.90	0.00	2.90
13	Electronic Services	Paper	0.00	62.48	0.00	62.48
13	Electronic Services	Wood waste (pallet)	0.00	301.13	0.00	301.13
13	Electronic Services	Plastic	0.00	50.15	0.00	50.15

1993

1/ Each activity should be listed on a separate line.

Business Audit Diversion for the City of Lincoln (Attachment 9)						
Business Survey/Audit Identification Number	Business Type (Example - grocery store, retail, manufacturer) 1/	Material Type (Example - cardboard, glass, plastic, etc.)	Source Reduction (Tons)	Recycling (Tons)	Composting (Tons)	Total Tons
13	Electronic Services	Plastic Bottles	0.00	0.08	0.00	0.08
13	Electronic Services	Reuse	1303.94	0.00	0.00	1303.94
13	Electronic Services	Insta Pak	27.92	0.00	0.00	27.92
Subtotal -			1606.50	1554.46	0.00	3160.96
14	Service	Wood waste (pallet)	44.70 .23	0.00	0.00	44.70 .23
14	Service	Cardboard	3.90	0.00	0.00	3.90
14	Service	Scrap metal	0.00	1.30	0.00	1.30
Subtotal -			45.60 4.13	1.30	0.00	46.90 5.43
15	Manufacturer	Wood waste (pallet)	0.50	0.00	0.00	0.50
Subtotal -			0.50	0.00	0.00	0.50
16	Education Services	NA	0.00	0.00	0.00	0.00
Subtotal -			0.00	0.00	0.00	0.00
17	Manufacturer	Scrap metal	0.00	30.00	0.00	30.00
17	Manufacturer	Wood waste (pallet)	4.80 .15	0.00	0.00	4.80 .15
Subtotal -			4.80 .15	30.00	0.00	31.80 30.15
18	Automotive Services	Scrap metal	0.00	3.00 0.00	0.00	3.00 0.00
18	Automotive Services	Scrap metal	3.12 0.00	0.00	0.00	3.12 0.00
Subtotal -			3.12 0.00	3.00 0.00	0.00	6.12 0.00
19	Manufacturer	Wood waste	0.00	1560.00 0.00	0.00	1560.00 0.00
Subtotal -			0.00	1560.00 0.00	0.00	1560.00 0.00
20	Manufacturer	Wood waste	0.00	465.92 0.00	0.00	465.92 0.00
Subtotal -			0.00	465.92 0.00	0.00	465.92 0.00
21	Manufacturer	Wood waste	0.00	5.20 0.00	0.00	5.20 0.00
Subtotal -			0.00	5.20 0.00	0.00	5.20 0.00
22	Landscaping Service	Plastic	5.20 0.10	0.00	0.00	5.20 0.10
Subtotal -			5.20 0.10	0.00	0.00	5.20 0.10
23	C&D Processor	Inert	0.00	8000.00 10651.21	0.00	8000.00 10651.21
Subtotal -			0.00	8000.00 10651.21	0.00	8000.00 10651.21
24	Aviation Services	Electronics	0.60	0.00	0.00	0.60
Subtotal -			0.60	0.00	0.00	0.60
25	Aviation Services	Wood waste	0.24	0.00	0.00	0.24
25	Aviation Services	Scrap metal	0.00	0.10 0.00	0.00	0.10 0.00
25	Aviation Services	Scrap metal	0.00	0.25 0.00	0.00	0.25 0.00
25	Aviation Services	Cardboard	4.56 1.04	0.00	0.00	4.56 1.04
25	Aviation Services	Paper	0.52	0.00	0.00	0.52
Subtotal -			2.32 1.80	0.35 0.00	0.00	2.67 1.80
26	Retail	Paper	0.52	0.00	0.00	0.52
26	Retail	Cardboard	1.04	0.00	0.00	1.04
Subtotal -			1.56	0.00	0.00	1.56
27	Educational Services	Grass clippings	972.80	0.00	0.00	972.80
27	Educational Services	Paper	0.00	68.22	0.00	68.22
27	Educational Services	Organics	0.00	0.00	80.00 0.00	80.00 0.00

1/ Each activity should be listed on a separate line.

Business Audit Diversion for the City of Lincoln (Attachment 9)						
Business Survey/Audit Identification Number	Business Type (Example - grocery store, retail, manufacturer) 1/	Material Type (Example - cardboard, glass, plastic, etc.)	Source Reduction (Tons)	Recycling (Tons)	Composting (Tons)	Total Tons
Subtotal -			972.80	68.22	80.00 0	1121.02 1041.02
28	Manufacturer	Paper	0.00	0.06	0.00	0.06
28	Manufacturer	Scrap metal	0.00	3.00 0.00	0.00	3.00 0.00
28	Manufacturer	Scrap metal	0.00	0.60 0.00	0.00	0.60 0.00
28	Manufacturer	Wood waste (pallet)	5.20 0.10	0.00	0.00	5.20 0.10
Subtotal -			5.20 0.10	3.66 0.06	0.00	8.86 0.16
29	Government	Grass clippings	471.20	0.00	0.00	471.20
Subtotal -			471.20	0.00	0.00	471.20
30	Manufacturer	gypson	0.00	75.00 214.50	0.00	75.00 214.50
30	Manufacturer	clay	1125.00 0.00	0.00	0.00	1125.00 0.00
Subtotal -			1125.00 0.00	75.00 214.50	0.00	1200.00 214.50
31	Retail	Cardboard	0.78 0.00	0.00	0.00	0.78 0.00
Subtotal -			0.78 0.00	0.00	0.00	0.78 0.00
32	Automotive Services	Scrap metal	0.00	1.80 0.00	0.00	1.80 0.00
Subtotal -			0.00	1.80 0.00	0.00	1.80 0.00
33	Grocery Retail	Organics	76.44 21.84	0.00	0.00	76.44 21.84
33	Grocery Retail	Cardboard	0.00	182.50 134.81	0.00	182.50 134.81
33	Grocery Retail	Meat	0.00	39.63	0.00	39.63
Subtotal -			76.44 21.84	182.50 174.44	0.00	258.94 196.28
34	Landfill Material Recovery Facility recovery	Appliances, Scrap Metal, Organics, Inerts, Tire and Wood Waste	0.00	20731.82 0.00	0.00	20731.82 0.00
Subtotal -			0.00	20731.82 0.00	0.00	20731.82 0.00
35	Buyback centers	Alumunim, Glass, Plastic and BiMetal	0.00	132.89 0.00	0.00	132.89 0.00
Subtotal -			0.00	132.89 0.00	0.00	132.89 0.00
36	Retail	Cardboard	0.00	32.00	0.00	32.00
Subtotal -			0.00	32.00	0.00	32.00
37	Repair Services	Electronics	1.50 0.00	0.00	0.00	1.50 0.00
Subtotal -			1.50 0.00	0.00	0.00	1.50 0.00
38	Restaurant	Grease	0.00	2.00	0.00	2.00
Subtotal -			0.00	2.00	0.00	2.00
39	Retail	Textile	1.25 1.30	0.00	0.00	1.25 1.30
Subtotal -			1.25 1.30	0.00	0.00	1.25 1.30
40	Automotive Services	Cardboard	3.64 0.07	0.00	0.00	3.64 0.07
Subtotal -			3.64 0.07	0.00	0.00	3.64 0.07
41	Repair Services	Scrap metal	0.00	30.00 0.00	0.00	30.00 0.00
Subtotal -			0.00	30.00 0.00	0.00	30.00 0.00
42	Automotive Services	Cardboard	3.50 0.07	0.00	0.00	3.50 0.07
Subtotal -			3.50 0.07	0.00	0.00	3.50 0.07
43	Automotive Services	NA	0.00	0.00	0.00	0.00
Subtotal -			0.00	0.00	0.00	0.00

1/ Each activity should be listed on a separate line.

Business Audit Diversion for the City of Lincoln (Attachment 9)						
Business Survey/Audit Identification Number	Business Type (Example - grocery store, retail, manufacturer) 1/	Material Type (Example - cardboard, glass, plastic, etc.)	Source Reduction (Tons)	Recycling (Tons)	Composting (Tons)	Total Tons
44	Community Assn	Grass clippings	0.00	0.00	160.16	160.16
Subtotal -			0.00	0.00	160.16	160.16
45	C&D Processor	Wood waste	0.00	2820.00 153.00	0.00	2820.00 153.00
45	C&D Processor	Inorganic fines	0.00	1332.00 0.00	0.00	1332.00 0.00
45	C&D Processor	Cardboard	0.00	396.00 631.00	0.00	396.00 631.00
45	C&D Processor	Metals	0.00	408.00 608.00	0.00	408.00 608.00
45	C&D Processor	Inerts (hay, straw, waddles)	0.00	492.00 132.00	0.00	492.00 132.00
45	C&D Processor	Plastics (sheet plastic and CRV bottles)	0.00	42.00 110.00	0.00	42.00 110.00
45	C&D Processor	Scrap metal	0.00	12.00	0.00	12.00
45	C&D Processor	Glass	0.00	97.00	0.00	97.00
45	C&D Processor	Concrete processed on-site	0.00	12000.00	0.00	12000.00
Subtotal -			0.00	17172.00 13731.00	0.00	17172.00 13731.00
Grand Total			5196.59	26887.88	318.82	32403.29

1/ Each activity should be listed on a separate line.

10. For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concrete, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

Note: *program name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept.)."*

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
Scrap Metal ▼	Scrap metal collection and recycling at the WPWMA	1996	98
Inert Solids ▼	Inerts collection and recycling at the WPWMA	1996	3986
Scrap Metal ▼	Non-residential waste audits #5	1994	5
Scrap Metal ▼	Non-residential waste audits #11	2001	~.15
Scrap Metal ▼	Non-residential waste audits #12	1993	14
Scrap Metal ▼	Non-residential waste audits #13	1996	3

b. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board - on a separate sheet marked "Attachment 10b", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. **Note:** this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- That the jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: *If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.*

Instead please provide date of Board approval of previously submitted information. _____ (Date)

If documentation is not available, go to 10d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. **Note:** *Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.*

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

Section 10 continued

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
Scrap Metal	Non-residential waste audits #14	2001	1.30
Scrap Metal	Non-residential waste audits #17	1996	30.00
Scrap Metal	Non-residential waste audits #23	1994	10651.21
Inerts & Scrap Metal	Non-residential waste audits #45	2000	12740.00

Table A: Site Visit Verification Findings, Diversion Tonnage and Deductions for the City of Lincoln

Business Audit/Survey Reference Number	Business Type	Material Type	Program Activity	NBY Study Claim (tons)	Conversion Factor	Verification Findings (tons)	Verification Findings Comments and Site Visit Methodology (if different from conversion factor in the study)
#45	Demolition Company	wood waste	Recycling	2,820.00	Based on a 2002 weight report for one month * 12 months	153.00	Board staff removed the tonnage that was sent to Biomass. Biomass cannot be included in base year generation tonnage.
	Demolition Company	inorganic fines	Recycling	1,332.00	Based on a 2002 weight report for one month * 12 months	0.00	Although staff did verify this diversion activity, this tonnage was removed to avoid double counting (material was used as ADC at local landfill).
	Demolition Company	cardboard	Recycling	396.00	Based on a 2002 weight report for one month * 12 months	631.00	In follow-up to the verification visit, Board staff received a number of monthly tonnage reports (for 2002, 2003 and 2004) as well as a tonnage report for the full 2003 calendar year. To avoid extrapolating data from one month over a 12-month period, Board staff used the diversion data for the full 2003 calendar year. Board staff used the monthly tonnage reports to ensure that the tonnage recommended was reasonable and representative, which was also confirmed with the facility contact.
	Demolition Company	metals	Recycling	420.00	Based on a 2002 weight report for one month * 12 months	608.00	Same as above. Additionally, the operation started in 2000. Therefore, it meets the restricted waste criteria.
	Demolition Company	hay, straw waddles	Recycling	192.00	Based on a 2002 weight report for one month * 12 months	132.00	Same as above.
	Demolition Company	plastics (sheet plastic and CRV bottles)	Recycling	12.00	Based on a 2002 weight report for one month * 12 months	110.00	Same as above.
	Demolition Company	glass	Recycling	0.00	NA	97.00	Same as above.
	Demolition Company	concrete	Recycling	12,000.00	Based on a 2002 weight report for one month * 12 months	12,000.00	Same as above. Additionally, the operation started in 2000. Therefore, it meets the restricted waste criteria.
Subtotal -				17,172.00		13,731.00	

Business Audit/Survey Reference Number	Business Type	Material Type	Program Activity	NBY Study Claim (tons)	Conversion Factor	Verification Findings (tons)	Verification Findings Comments and Site Visit Methodology (if different from conversion factor in the study)
#23	C&D Crushing and Screening Company	inerts	Recycling	8,000.00	Letter from company indicating that between 8,000 - 10,000 tons processed for the City	10,651.21	Board staff verified the diversion activity. To quantify the diversion tonnage the total quantity of material processed was collected for a three-year period (i.e., annual tonnage reports for 2001, 2002 and 2003). The contact indicated that approximately 10% of the material processed is from the City of Lincoln. The operation started in 1994, therefore it meets the restricted waste criteria.
Subtotal -				8,000.00		10,651.21	
#13	Electronic Services	cardboard	Recycling	1,123.63	Based on internal tonnage report documenting generation and cost savings related to waste reduction program	1,123.63	Board staff verified the recycling and reuse activities and reviewed the detailed tonnage report provided by the facility contact.
#13	Electronic Services	foam	Recycling	13.62		13.62	
#13	Electronic Services	bubblewrap	Reuse	23.94		23.94	
#13	Electronic Services	peanuts	Reuse	3.89		3.89	
#13	Electronic Services	styrene	Reuse	196.47		196.47	
#13	Electronic Services	poly plank	Reuse	47.94		47.94	
#13	Electronic Services	molded EPP & EPE	Reuse	2.40		2.40	
#13	Electronic Services	aluminum cans	Recycling	0.47		0.47	
#13	Electronic Services	metals	Recycling	2.90		2.90	
#13	Electronic Services	paper	Recycling	62.48		62.48	
#13	Electronic Services	pallets	Recycling	301.13		301.13	
#13	Electronic Services	plastics	Recycling	50.15		50.15	
#13	Electronic Services	plastic bottles	Recycling	0.08		0.08	

Business Audit/Survey Reference Number	Business Type	Material Type	Program Activity	NBY Study Claim (tons)	Conversion Factor	Verification Findings (tons)	Verification Findings Comments and Site Visit Methodology (if different from conversion factor in the study)
#13	Electronic Services	re-use packing material	Reuse	1,303.94		1,303.94	
#13	Electronic Services	Insta Pak	Reuse	27.92		27.92	
Subtotal -				3,160.96		3,160.96	
#19	Manufacturer	wood waste	Recycling	1,560.00	3 loads per week of 50 cubic yard dumpsters weighing 10 tons each	0.00	This tonnage was removed because during the verification audit Board staff learned that in the base year (2002) the reported material was actually disposed. Additionally, this company is moving outside of the City of Lincoln in the next 45 days, so this diversion tonnage is not representative.
Subtotal -				1,560.00		0.00	
#30	Manufacturer	inert material	Reuse	1,125.00	4500 tons out of 50000 tons is a loss that is returned back to process. 25% increase in production since 1990. So, the City claimed 25% of 4500.	0.00	During the verification, Board staff determined that this material was never normally disposed. As a result, this tonnage was deducted.
#30	Manufacturer	gypsum	Recycling	75.00	75 tons of molds that go to wall board plant for a total of 1200	214.50	Upon verification, Board staff received documentation to support the quantification of the gypsum recycling activity (i.e., purchasing invoices).
Subtotal -				1,200.00		214.50	
#4	Golf Course	grass clippings	Source Reduction	1,512.40	209 mowable acres * 7.6 tons/acre/year	1,512.40	Board staff verified the diversion activity and the mowable acres for grasscycling.
Subtotal -				1,512.40		1,512.40	
#29	Government	grass clippings	Source Reduction	471.20	62 acres * 7.6 tons/acre/year	471.20	Board staff verified the activity, acreage and diversion tonnage reported.
Subtotal -				471.20		471.20	
#27	Educational Services	grass clippings	Source Reduction	972.80	128 acres * 7.6 tons per acre per year	972.80	Board staff verified the diversion activity and the mowable acres for grasscycling.

Business Audit/Survey Reference Number	Business Type	Material Type	Program Activity	NBY Study Claim (tons)	Conversion Factor	Verification Findings (tons)	Verification Findings Comments and Site Visit Methodology (if different from conversion factor in the study)
#27	Educational Services	newspaper	recycling	68.22	11370 pounds per newspaper per month	68.22	Board staff verified the diversion activity.
#27	Educational Services	organics	composting	80.00	3 composting boxes (12x30x4) filled with leaves at 1000 pounds per cubic yard	0.00	This tonnage was removed because it was already included in Section 8 of the City's Base Year Modification Request Certification. Board staff did, however, verify the diversion activity.
Subtotal -				1,121.02		1,041.02	
#2	Golf Course	grass clippings	Source Reduction	577.60	76 acres * 7.6 tons/acre/year	577.60	Board staff verified the diversion activity and the mowable acres for grasscycling.
Subtotal -				577.60		577.60	

#1	Retail	textiles, home items, appliances, furniture	reuse	25.00	pure estimate	0.00	Board staff have removed this tonnage due to a lack of specific calculation supporting the diversion estimate.
Subtotal -				25.00		0.00	
#3	Auto parts (retail)	scrap metal	reuse	26.00	1000 pounds per week	0.00	Information regarding the restricted waste criteria for this activity was not provided. As a result, Board staff removed the diversion tonnage.
Subtotal -				26.00		0.00	
#5	Auto Service	scrap metal	recycling	0.00	5 tons a year	5.00	This diversion tonnage was included on the original non-residential waste audit form, but not included in the study data. Board staff collected the information to verify that the restricted waste criteria were met and added the data to the study.
Subtotal -				0.00		5.00	
#6	Auto Service	scrap metal	recycling	13.00	100 pounds a day (5 days a week)	0.00	Information regarding the restricted waste criteria for this activity was not provided. As a result, Board staff removed the diversion tonnage.

Business Audit/Survey Reference Number	Business Type	Material Type	Program Activity	NBY Study Claim (tons)	Conversion Factor	Verification Findings (tons)	Verification Findings Comments and Site Visit Methodology (if different from conversion factor in the study)
Subtotal -				13.00		0.00	
#8	Auto Service	scrap metal	Recycling	4.80	800 pounds per month	0.00	Information regarding the restricted waste criteria for this activity was not provided. As a result, Board staff removed the diversion tonnage.
Subtotal -				4.80		0.00	
#12	Manufacturer	scrap metal	reuse	28.52	1,097 pounds per week	0.55	Board staff reduced this reuse estimate to include only the tonnage for single reuse to avoid double-counting.
Subtotal -				28.52		0.55	
#14	Service	wood waste (pallets)	reuse	11.70	15 pallets a week at 30 pounds per pallet	0.23	Board staff reduced this reuse estimate to include only the tonnage for single reuse (i.e., 15 pallets reused once).
Subtotal -				11.70		0.23	
#15	Manufacturer	wood waste (pallets)	reuse	0.00	22 pallets a day at 45 pounds per pallet	0.50	Board staff added this reuse estimate which includes tonnage for single reuse only (i.e., 22 pallets reused once).
Subtotal -				0.00		0.50	
#17	Manufacturer	wood waste (pallets)	Reuse	1.80	10 pallets a month at 30 pounds per pallet	0.15	Board staff reduced this reuse estimate to include only the tonnage for single reuse (i.e., 10 pallets reused once).
Subtotal -				1.80		0.15	
#18	Automotive Services	scrap metal	reuse	3.12	8 starters a week at 15 pounds each	0.00	Board staff removed this tonnage because the business did not start until after the new base year (2003).
#18	Automotive Services	scrap metal	recycling	3.00	500 pounds per month	0.00	Board staff removed this tonnage because the business did not start until after the new base year (2003).
Subtotal -				6.12		0.00	

Business Audit/Survey Reference Number	Business Type	Material Type	Program Activity	NBY Study Claim (tons)	Conversion Factor	Verification Findings (tons)	Verification Findings Comments and Site Visit Methodology (if different from conversion factor in the study)
#20	Manufacturer	wood waste	recycling	465.92	two 14 feet trucks a week at 10 pounds per cubic foot	0.00	Upon follow-up the City contact was told that this material was disposed in 2002
Subtotal -				465.92		0.00	
#21	Manufacturer	wood waste	reuse	5.20	200 pounds a week	0.00	This wood waste is provided by the business to the employees, however, it is unclear how the material was diverted, therefore, Board staff deducted this tonnage.
Subtotal -				5.20		0.00	
#22	Landscaping Service	plastic	reuse	5.20	200 planting buckets a week at 1 pound each	0.10	Board staff added this reuse estimate which includes tonnage for single reuse only (i.e., 200 buckets reused once).
Subtotal -				5.20		0.10	
#25	Aviation Services	scrap metal	recycling	0.10	200 pounds per year	0.00	Information regarding the restricted waste criteria for this activity was not provided. As a result, Board staff removed the diversion tonnage.
#25	Aviation Services	scrap metal	recycling	0.25	25 starters a year at 20 pounds each	0.00	Information regarding the restricted waste criteria for this activity was not provided. As a result, Board staff removed the diversion tonnage.
#25	Aviation Services	cardboard	reuse	1.56	20 boxes reused a week at 2 pounds each	1.04	The original study data appeared to have an error in the calculation. Board staff corrected the data to be consistent with the formula on the survey form.
Subtotal -				1.91		1.04	
#28	Manufacturer	scrap metal	recycling	3.00	6000 pounds per year	0.00	Information regarding the restricted waste criteria for this activity was not provided. As a result, Board staff removed the diversion tonnage.

Business Audit/Survey Reference Number	Business Type	Material Type	Program Activity	NBY Study Claim (tons)	Conversion Factor	Verification Findings (tons)	Verification Findings Comments and Site Visit Methodology (if different from conversion factor in the study)
#28	Manufacturer	scrap metal	recycling	0.60	1200 pounds per year	0.00	Information regarding the restricted waste criteria for this activity was not provided. As a result, Board staff removed the diversion tonnage.
#28	Manufacturer	wood waste (pallets)	reuse	5.20	5 pallets per week at 40 pounds each	0.10	Board staff reduced this reuse estimate to include only the tonnage for single reuse (i.e., 5 pallets reused once).
Subtotal -				8.80		0.10	
#31	Retail	cardboard	reuse	0.78	30 pounds of boxes per week	0.00	This cardboard is provided by the business to the employees. Since, Board staff have no way of verifying the activity (e.g., reuse, recycle, incinerated, disposed), which could result in double-counting, this tonnage was removed from the study.
Subtotal -				0.78		0.00	
#32	Automotive Services	Sacra metal	recycling	1.80	300 pounds per month	0.00	Information regarding the restricted waste criteria for this activity was not provided. As a result, Board staff removed the diversion tonnage.
Subtotal -				1.80		0.00	
#33	Grocery retail	organics	reuse	76.44	4 30 pound boxes a day to a hog farm.	21.84	The original study data appeared to have an error in the calculation. Board staff corrected the data to be consistent with the formula on the survey form.
#33	Grocery retail	cardboard	recycling	182.50	7 bales a week at 1000 pounds per bale (50 cubic feet at 50 pounds per cubic foot density)	134.81	Board staff adjusted this tonnage to reflect the USEPA conversion factor of 400 pounds per cubic yard of compacted OCC.
#33	Grocery retail	meat	recycling	0.00	4 50-gallon buckets a week for rendering	39.63	Board staff added this tonnage to reflect the meat recycling information provided on the non-residential waste audit survey form (57 pounds per cubic foot of fat (FEECO) and 7.48 gallons per cubic foot).
Subtotal -				258.94		196.28	

Business Audit/Survey Reference Number	Business Type	Material Type	Program Activity	NBY Study Claim (tons)	Conversion Factor	Verification Findings (tons)	Verification Findings Comments and Site Visit Methodology (if different from conversion factor in the study)
#34	Landfill Material Recovery Facility recovery	aluminum, appliances, cardboard, carpet, inerts, glass, mixed paper, newspaper, HDPE, PETE, mixed and film plastics, steel and tires	Recycling	20,731.82	NA--Landfill operator tonnage report	0.00	This tonnage is already included in Section 8 of the City's Base Year Modification Request Certification form and was removed from Attachment 9 for non-residential waste audits to avoid double-counting.
Subtotal -				20,731.82		0.00	
#35	Buyback Centers	aluminum, glass, PETE, HDPE and bimetal	Recycling	132.89	NA (report from Department of Conservation's Division of Recycling)	0.00	This tonnage is already included in Section 8 of the City's Base Year Modification Request Certification form and was removed from Attachment 9 for non-residential waste audits to avoid double-counting.
Subtotal -				132.89		0.00	
#37	Repair Services	Electronics	Reuse	1.50	3,000 pounds per year	0.00	Board staff removed this tonnage because this material may contain hazardous waste and could not confirm that the material was generated within the jurisdiction.
Subtotal -				1.50		0.00	
#39	Retail	Textiles	Reuse	1.25	50 pounds per week	1.30	The original study data appeared to have an error in the calculation. Board staff corrected the data to be consistent with the formula on the survey form.
Subtotal -				1.25		1.30	
#40	Automotive Services	cardboard	reuse	3.64	plastic totes replacing 70 cardboard boxes a week at 2 pounds each	0.07	Board staff reduced this reuse estimate to include only the tonnage for single reuse (i.e., 70 totes reused once).
Subtotal -				3.64		0.07	

Business Audit/Survey Reference Number	Business Type	Material Type	Program Activity	NBY Study Claim (tons)	Conversion Factor	Verification Findings (tons)	Verification Findings Comments and Site Visit Methodology (if different from conversion factor in the study)
#41	Repair Services	scrap metal	recycling	30.00	300 metal doors a year at 200 pounds each	0.00	Board staff removed this tonnage to avoid double-counting. The facility contact indicated the materials are taken to the WPWMA for recycling. Recycling tonnage reported for the WPWMA is already included in the data (see Landfill Salvage).
Subtotal -				30.00		0.00	
#42	Automotive Services	cardboard	reuse	3.50	Survey form says same as number #40	0.07	Board staff reduced this reuse estimate to include only the tonnage for single reuse (i.e., 70 totes reused once).
Subtotal -				3.50		0.07	
Grand Total -				56,545.27		31,565.28	

Miscellaneous Changes (e.g., certification form changes, report year modification, curbside, buybacks, etc.)							
Type of Change	Material Type			Tons Claimed in Study		Revised Tons	Reason for Change
Certification form change	curbside green waste	green waste	composting	80.00	3 composting boxes (12x30x4) filled with leaves at 1000 pounds per cubic yard	48.00	Board staff reduced this tonnage because the conversion factor provided could not be verified. Board staff used a factor of 600 cubic yards of finished compost from US EPA Region 10
Certification form change	Christmas trees	green waste	composting	9.00	actual tonnage	0.00	Per contact at WPWMA, this tonnage is included in the total for wood waste. As a result, Board staff have removed the tonnage for Christmas tree diversion to avoid double-counting. The wood waste total (813.75 tons) is not include in the generation tonnage as it is sent for Biomass. The tonnage for Biomass is added to the diversion calculation after determining the generation tonnage total and considered by the Board separately.

Business Audit/Survey Reference Number	Business Type	Material Type	Program Activity	NBY Study Claim (tons)	Conversion Factor	Verification Findings (tons)	Verification Findings Comments and Site Visit Methodology (if different from conversion factor in the study)
Certification form change	scrap metal	scrap metal	recycling	127.00	actual tonnage	97.92	Board staff adjusted this tonnage to reflect that which was documented for the City's scrap metal program at the WPWMA (i.e., clean scrap metal loads at the landfill). There are also scrap metals recovered through the MSW sorted at the WPWMA MRF, the tonnage for which is included in the Landfill Salvage tonnage.
Certification form change	construction & demolition	inert materials	recycling	25,160.00	actual tonnage	3,985.97	Board staff adjusted this tonnage to reflect that which was reported in the study for the City's construction and demolition program at the WPWMA (i.e., clean concrete and asphalt loads at the landfill). There are also inerts recovered through the MSW sorted at the WPWMA MRF, the tonnage for which is included in the Landfill Salvage tonnage.

Business Audit/Survey Reference Number	Business Type	Material Type	Program Activity	NBY Study Claim (tons)	Conversion Factor	Verification Findings (tons)	Verification Findings Comments and Site Visit Methodology (if different from conversion factor in the study)
Certification form change	Landfill Salvage	(This includes source separated loads of OCC (14.21 tons) and tires (10.76 tons) and recyclables recovered from MSW at the MRF, including aluminum, OCC, carpet, inerts, glass, mixed paper, newspaper, PETE, HDPE, mixed and film plastics, steel, tires and green waste.)	recycling	0.00	actual tonnage	2,145.51	Board staff adjusted this tonnage to reflect that which was reported by the WPWMA for segregated drop-off at the landfill and the MSW MRF recovery. This tonnage includes 465.09 tons of scrap metal and 116.58 tons of inerts.
Certification form change	ADC	green material	ADC	0.00	actual tonnage	27.00	The City did not include ADC in its study. Board added the ADC tonnage to reflect that reported in the Board's Disposal Reporting System.
Grand Total -				25,296.00		6,256.40	

Additional
information
:

Disposal Tonnage Disposal NA NA 14,458.00 actual tonnage 14,858.00

The City made a typo in the disposal tonnage. As a result, Board staff corrected the disposal tonnage to reflect that reported in the Board's Disposal Reporting System.

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Resolution 2005-42

Title To Consideration Of A Request To Change The Base Year To 2002 For The Previously Approved Source Reduction And Recycling Element For The City Of Lincoln

WHEREAS, Public Resources Code Sections 41031 (Cities) and 41331 (Counties) requires that information submitted by a jurisdiction on the quantities of solid waste it has generated, diverted and disposed, shall include data as accurate as possible to enable the Integrated Waste Management Board (Board) to accurately measure the jurisdiction's achievement of the diversion requirement pursuant to PRC Section 41780; and

WHEREAS, the City of Lincoln (City) submitted documentation requesting to change its base year to 2002, which it claims is as accurate as possible; and

WHEREAS, a portion of the diversion tonnage originally claimed by the City has been modified as a result of staff verification, and is reflected in the staff-revised certification; and

WHEREAS, PRC Section 41783.1 allows a jurisdiction to claim no more than 10 percent diversion credit for materials sent to a biomass conversion facility if the Board determines at a public hearing, based upon substantial evidence in the record, that all of the conditions in that section are met; and

WHEREAS, the City has claimed 0.40 percent for 2002, and has submitted documentation demonstrating it has met the conditions specified in PRC Section 41783.1 for claiming that biomass diversion credit, and

NOW, THEREFORE, BE IT RESOLVED that the Board hereby approves the base-year change to 2002, as revised, for the City of Lincoln, and

NOW, THEREFORE, BE IT RESOLVED, that the Board, as required by PRC Section 41781.1, hereby makes a finding at this public meeting that the City of Lincoln has met the conditions for claiming biomass diversion credit for 2002.

CERTIFICATION

The undersigned Executive Director, or his designee, of the California Integrated Waste Management Board does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the California Integrated Waste Management Board held on February 15-16, 2005.

Dated:

Mark Leary
Executive Director